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(11)

**EP 1 168 374 A3**

(12)

**EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:  
08.01.2003 Bulletin 2003/02

(51) Int Cl.7: **H01B 7/18, H01B 9/00**

(43) Date of publication A2:  
02.01.2002 Bulletin 2002/01

(21) Application number: **01115164.4**(22) Date of filing: **22.06.2001**

(84) Designated Contracting States:  
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU**  
**MC NL PT SE TR**  
Designated Extension States:  
**AL LT LV MK RO SI**

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(30) Priority: **22.06.2000 US 599847**

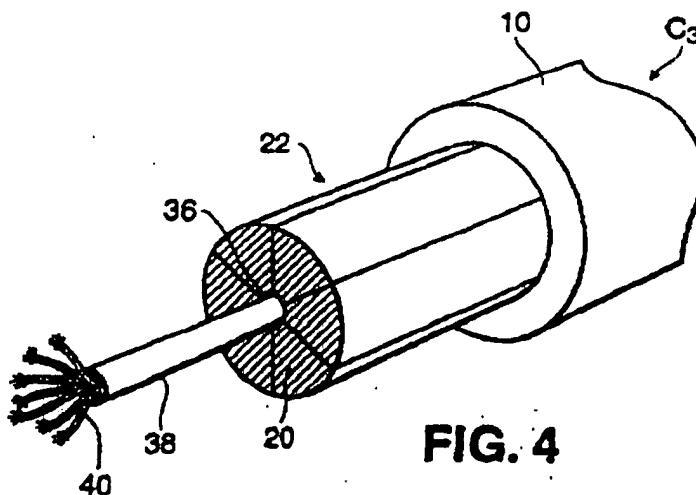
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**(54) Composite reinforced electrical transmission conductor**

(57) A composite reinforced electrical transmission conductor cable primarily designed for transmission of electrical signals, such as data signals, telephone signals of any frequency and electrical power of essentially any voltage. A fiber optic cable may also be carried by the core in a preferred embodiment. A splicing arrangement for securing the ends of the cable together is also provided. The cable is comprised of a reinforced plastic composite component which serves as a load bearing component and an electrically conductive component

which serves for transmission of the electrical signals carried by the cable. In a preferred embodiment, the cable is comprised of a reinforced plastic composite outer load carrying sheath along with an inner highly electrically conductive core. In this way, the sheath provides the necessary strength and the inner core provides for transmission of the electrical signals. In still further embodiments, strips of reinforced plastic composite can be embedded in an electrically conductive cylindrically shaped cable material.

**FIG. 4****EP 1 168 374 A3**



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# EUROPEAN SEARCH REPORT

Application Number  
EP 01 11 5164

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	* page 4, paragraph 1 - page 5, paragraph 1; claims 1-13; figures 1,2 *		
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			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
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The present search report has been drawn up for all claims			
Place of search <b>THE HAGUE</b>		Date of completion of the search <b>15 November 2002</b>	Examiner <b>Demolder, J</b>
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons &amp; : member of the same patent family, corresponding document</p>			

EPO FORM 1503 03/82 (P04C21)

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